



EQ188512234US

PTO/SB/08B (07-05)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/706,478
		Filing Date	07 November 2003
		First Named Inventor	Upender K. Kaul
		Art Unit	2128
		Examiner Name	Suzanne Lo
Sheet 1	of 2	Attorney Docket Number	ARC-14710-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AKCELIK, et al., Nearly Orthogonal Two-Dimensional Grid Generation with Aspect Ratio Control, J. Comput. Phys, 08/10/2001, 805-821, 171, Academic Press.	
		ALTER, et al., Elliptic volume grid generation for viscous CFD parametri. . . , Proceedings of AIAA Fluid Dynamics Conference, 27th, New Orleans, LA, 06/17-20/1996, AIAA, Inc.	
		ECA, 2D Orthogonal Grid Generation with Boundary Point Distribution Control, J. Comput. Phys., 05/1996, 440-453, 125, Academic Press, Inc.	
		JENG, et al., Two-Dimensional Elliptic Grid Solver Using Boundary Grid Control and Curvature Correction, AIAA J., 02/2000, 217-224, 38-2, AIAA, Inc.	
		KAUL, New boundary constraints for elliptic systems used in grid generation problems, J. Comput. Phys., 2003, 476-492, 189, Elsevier Science B. V.	
		KAUL, et al., A Comparative Study of the Parabolized Navier-Stokes Code Using Various Grid-Generation Tecni. . . , Computers & Fluids, 1985, 421-441, 13-4, Pergamon Press Ltd.	
		KAUL, et al., Automated Gear Teeth Grid Generation via Solution of Ellipt . . . , Proceedings of SIAM Conference on Geometric Design and Computing, 11/5-8/2001, Sacramento, CA.	
		KAUL, et al., Elliptic Grid Generation of Spiral-Bevel Pinion Gear Typical of OH-58 Helicopter Transmission, 02/2002, NASA TM-2002-210932.	
		RYSKIN, et al., Orthogonal Mapping, J. Comput. Phys., 1983, 71-100, 50, Academic Press, Inc.	
		SORENSEN, Three-Dimensional Elliptic Grid generation About Fighter Aircraft for Zonal Finit . . . , Proceeds of AIAA 24th Aerospace Sciences Meeting, 01/6-9/1986, Reno, Nevada.	

Examiner Signature	Date Considered
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		STEGER, et al., Automatic Mesh-Point Clustering Near a Boundary in Grid Generation with Elliptic Partial Differential Equations, J. Comput. Phys., 1979, 405-410, 33.	
		THOMPSON, Grid Generation Techniques in Computational Fluid Dynamics, AIAA J., 1984, 1505-1523, 22-11, AIAA, Inc.	
		THOMPSON, et al., Automatic Numerical Generation of Body-fitted Curvilinear Coordinate System for Field Contai . . . , J. Comput. Phys., 1974, 299-319, 15, Academic Press, Inc.	
		THOMPSON, et al., TOMCAT -- A Code for Numerical Generation of Boundary-Fitted Curvilinear Coordinate Systems . . . , J. Comput. Phys., 1977, 274-302, 24, Academic Press, Inc.	
		THOMPSON, et al., Boundary-Fitted Coordinate Systems for Numerical Solution of Partial Differential Equations-- . . . , J. Comput. Phys., 1982, 1-108, 47, Academic Press, Inc.	
		VISBAL, et al., Generation of Orthogonal and Nearly Orthogonal Coordinates with Grid Control Near Boundaries, AIAA J., 1982, 305-315, 20-3, AIAA, Inc.	

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